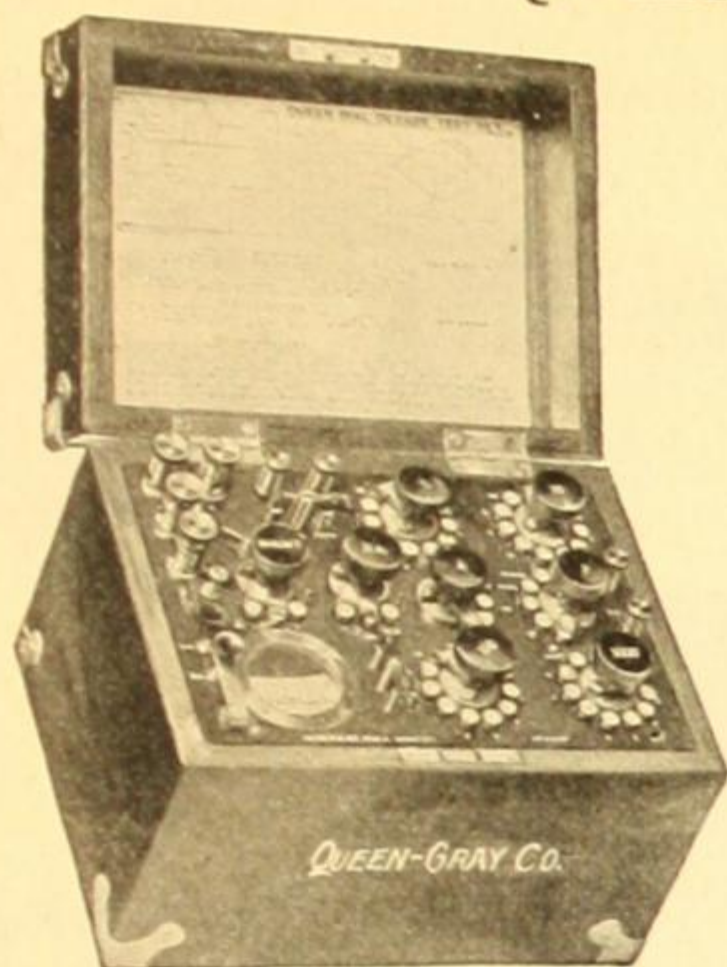


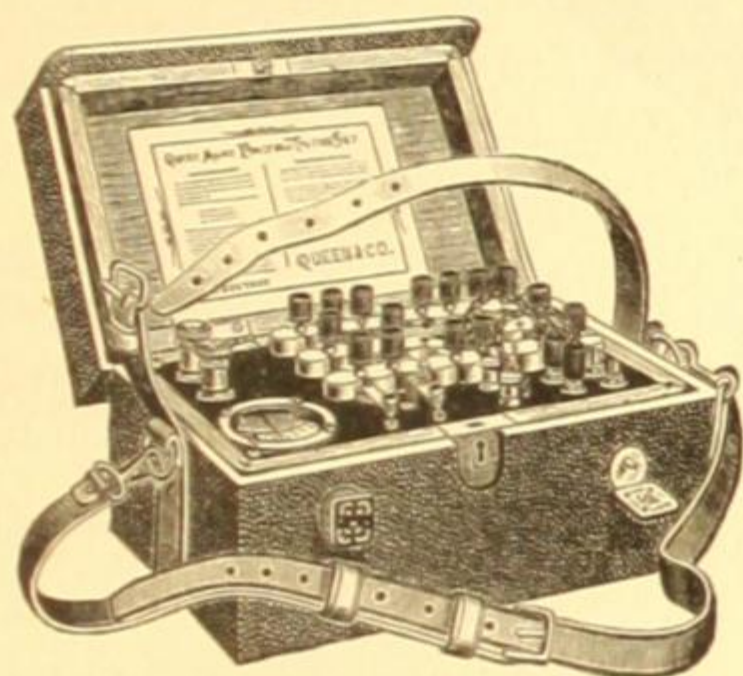
QUEEN INSTRUMENTS



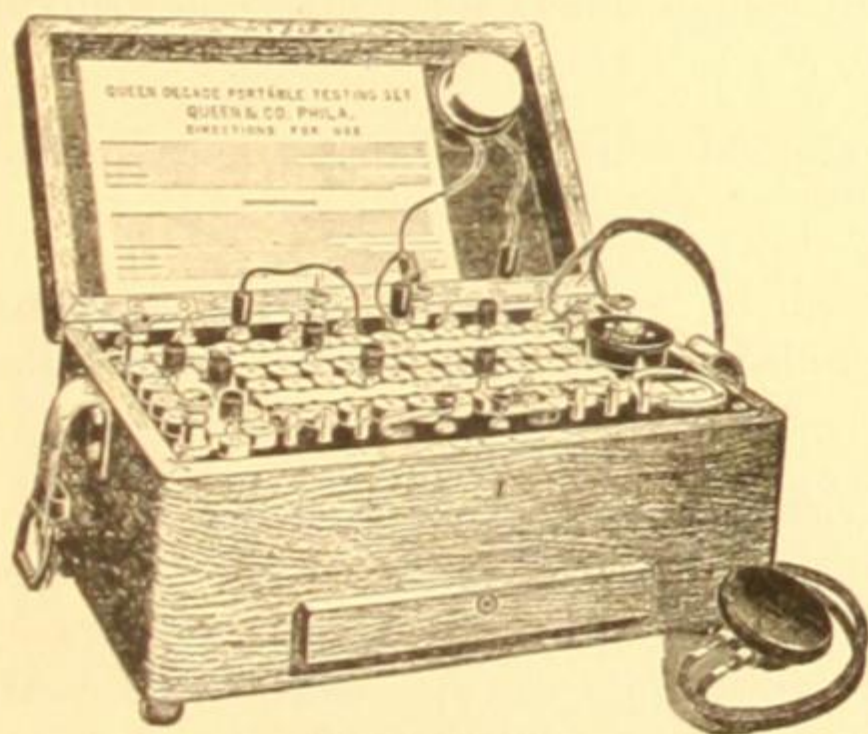
No. E3108



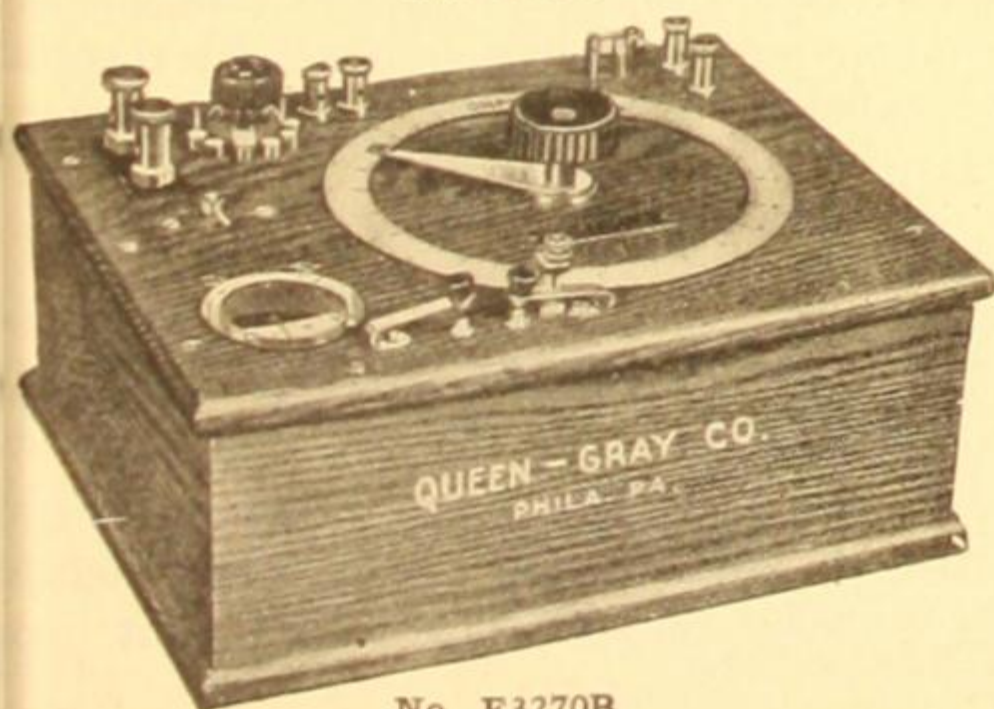
No. E3116



No. E3200



PAT. APPLIED FOR
No. E100



No. E3270B

DIAL DECADE PORTABLE TESTING SETS

Trade No.	Mfrs. No.	Description	Price Each
201779	E3108	With galvanometer shunt . . .	\$140.00
201780	E3109	Sole leather carrying case and strap	12.00
201781	E3110	Flexible contact clutches for gripping to heavy conductors	10.00

IMPROVED FAULT FINDERS

201782	E3116	Fault finder and ohmmeter . .	85.00
201783	E3117	Sole leather carrying case and strap	12.00
210784	E3275	Low resistance fault finder . .	200.00
201785	E3118	Wireless or inductive fault finder	40.00

ACME PORTABLE TESTING SETS

Plug pattern set, for measurement of all resistances that can be measured by a Wheatstone Bridge.

201786	E3200	Portable testing set . .	100.00
201787	E3215	Sole leather carrying case and strap	10.00
201788	E3215A	Flexible contact clutches for gripping to heavy conductors	10.00
201789	E1020	Acme wheatstone bridges . . .	60.00

Bridge same as No. E3200 but without galvanometer battery and carrying case.

DIAL AND PLUG DECADE TESTING SETS

201790	E3100	Plug type	170.00
201791	E3105	Switch type	200.00
201792	E3115	Sole leather carrying case and strap	15.00
201793	E3120	Flexible contact clutches for gripping to heavy conductors	10.00

DIRECT READING OHMMETERS

201794	E3270A	Improved direct reading ohmmeter . .	85.00
201795	E3270B	Direct reading to ohmmeter . .	67.50
201796	E3273	Low resistance ohmmeter . .	200.00
201797	E3276	Ohmmeter for electric car equipment	100.00

QUEEN INSTRUMENTS

CENTRAL STATION POTENTIOMETERS OR PORTABLE STANDARDIZING SETS



No. E3045

The Potentiometer is the recognized primary standard for the precise measurement of D. C. voltage, current and power. The Potentiometer depends for its accuracy and permanency upon resistances and a standard Cadmium cell, both of which can be relied upon for their constancy.

A complete instrument for the calibration of direct current ammeters, voltmeters, milli-voltmeters and milli-ammeters.

This instrument is a standard potentiometer with contained standard low resistance for current measurements up to 150 amperes and contained multipliers for voltage measurements up to 750 volts.

The range can be extended to 3000 amperes and 1500 volts by means of external shunts and multipliers.

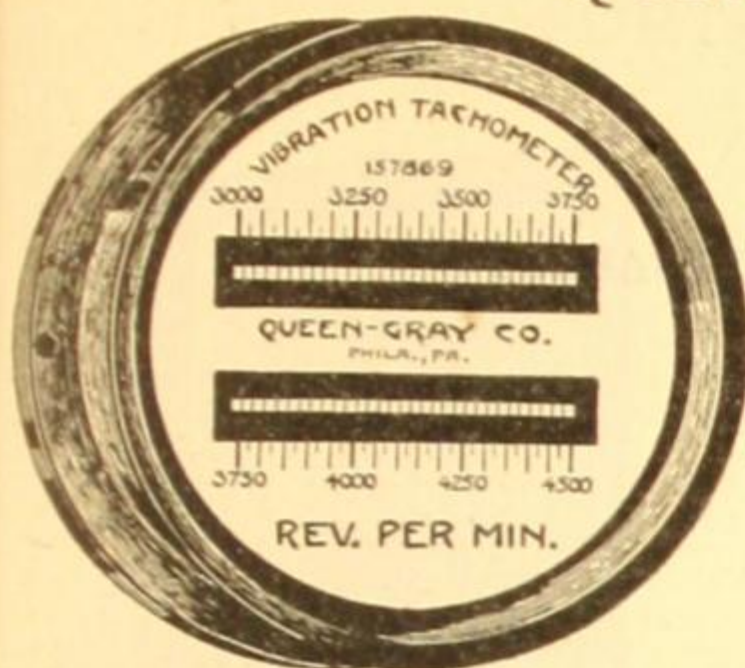
A feature of the instrument is a rheostat that can be varied continuously in conjunction with a contained source of current for checking the milli-volt scale of ammeters, independent of their shunts.

The galvanometer serves only to balance the measurement and does not enter in any way as a deflecting instrument. It is removable as a unit for replacement if necessary. A standard cadmium cell and regulating rheostat are included so as to standardize the potentiometer in terms of the standard cell and by means of a switch the potentiometer can be instantly checked. A rheostat and battery are also provided for use in calibrating milli-volt-meters and ammeters having milli-volt scales reading in amperes with shunts. The rheostat furnishes a continuously adjustable control so as to obtain a reading at any point on the scale. The design of this rheostat is the result of the makers' experience in their own Laboratory, in calibrating milli-voltmeters.

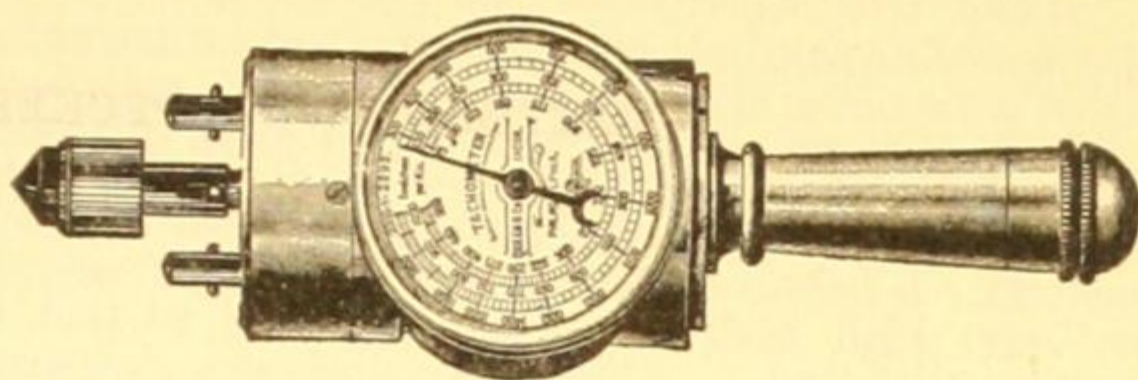
Trade No.	Mfrs. No.	Description	Price Each
201808	E3045	Queen-Gray Central station potentiometer.....	\$500.00
Prices upon request for external multiplier and shunts to extend measurements higher than 750 volts and 150 amperes.			

Potentiometers with accessories for potential and current measurements in Standardizing Laboratories and for potential measurements in Physical, Biological, Chemical, Physiological, and Pyrometrical Laboratories are described in Bulletin E-2, a copy of which will be sent upon request.

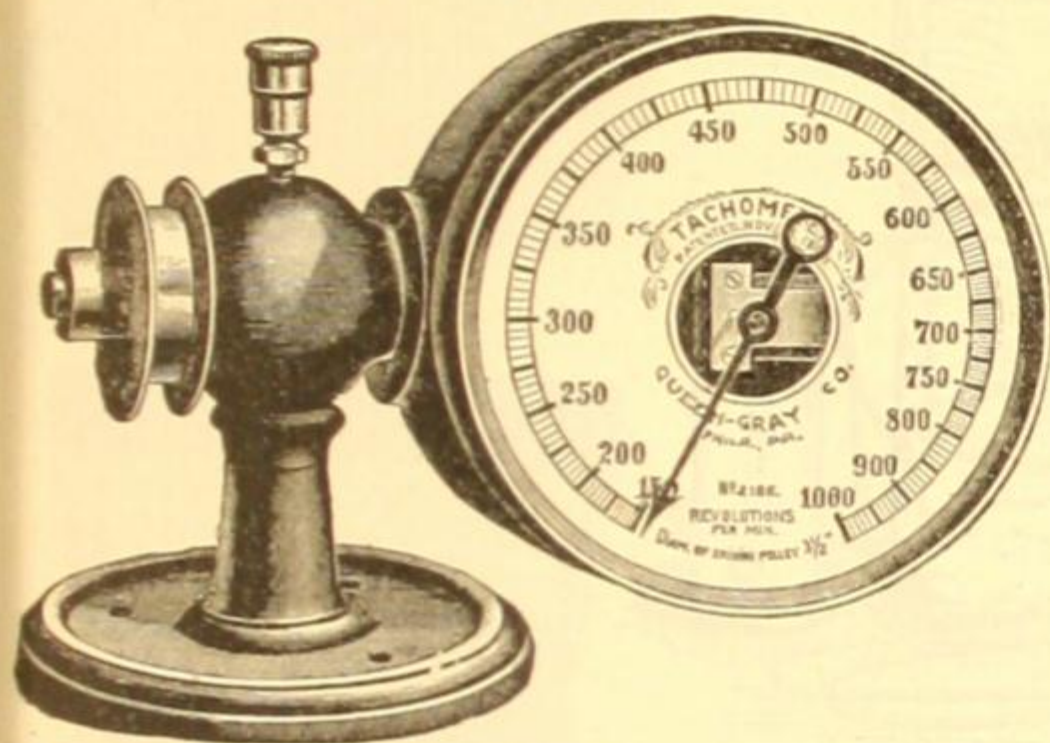
QUEEN INSTRUMENTS



Vibration



Portable



Stationary

VIBRATION TACHOMETERS

Tachometers of this type indicate r.p.m. through the mechanical excitation of steel reeds. There are no mechanical or electrical connections. Mounted on the machine and the reed corresponding to the speed of the machine will be set in vibration.

Prices and ranges quoted upon application.

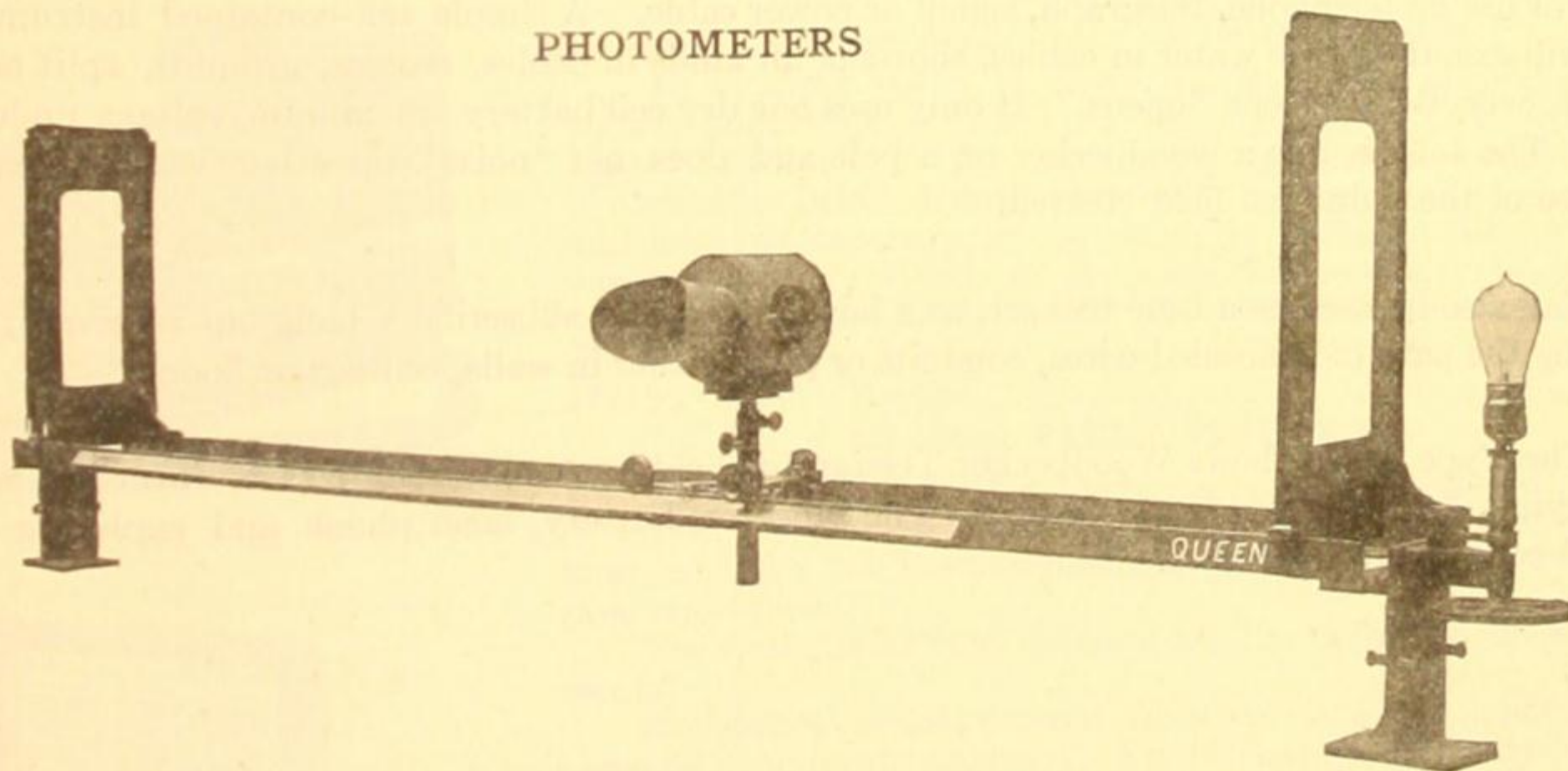
STANDARD TACHOMETERS

Three shafts are geared to the rotating parts inside of the case, each one of them having a separate scale on the dial so that the indications are direct reading throughout. A detachable point, to fit any of the spindles, is supplied. The scales of the No. E9009 are graduated as follows: 40 to 200, 120 to

300 and 600 to 3000. Thus it is possible to measure directly both high and low speeds with the same instrument. The No. E9009A scales are graduated as follows: 75 to 500, 150 to 1000 and 50 to 5000. The case is aluminum. A substantial carrying case is supplied.

Trade No.	Mfrs. No.	Description	Range	Price Each
01819	E9009	Standard portable tachometer.....	40 to 3000	\$75.00
01820	E9009A	Standard portable tachometer.....	75 to 5000	75.00
01821	E9025	Standard stationary tachometer.....	125.00

PHOTOMETERS



A direct reading instrument for measuring the candle power of incandescent lamps. Distance between centers is 100 inches and when using a 16-c.p. standard lamp the scale has a maximum range 800 c.p. Using a higher candle power standard the scale range can be extended

Trade No.	Mfrs. No.	Description	Price Each
01822	E4020	Standard with bunsen screen and horizontal rotator, one 16-c.p. standard lamp included.....	\$200.00
01823	E4021	Same as above but with compound rotator in place of horizontal	325.00
01824	E4026	Same as No. E4020 but with Lummer Brodhun screen.....	275.00